Subject: Re: TPC MVD and GEM correlators
Posted by StefanoSpataro on Fri, 17 Jun 2011 11:10:50 GMT
View Forum Message <> Reply to Message

Hi,
there are mainly two problems:
a) the code is using the obsolete fDetectorId style, which is not compatible with the
PndRecokalmanTask and neither with PndPidCorrelator
b) the code is producing gftracks and not pndtrack

For a) I can try to fix it writing a PndDetectorListFake, where the enum becomes a series of
constants, i.e.:
const Int_t kTpcCluster = FairRootManager::Instance()->GetBranchId("PndTpcCluster")
In this way, all the tpc class headers should use PndDetectorListFake instead of
PndDetectorList. Of course this is only a momentary solution and after the TDR activities it
should be fixed in the tracking code itself.

For b) a task as adapter would be great. I cannot do it because I have to fix many other things
on the grid side, but if you want to spend some time... it could be placed in
GenfitTools/recotasks. The scheme should be already present in PndRecoKalmanTask/Fit and
it is just a matter of copy and paste (hopefully). But after you will have the problem with the
mvd part of the PndPidCorrelator. To avoid it, you should switch off mvd pid:
corr->SetMvdMode(0) using the last version of the PndPidCorrelator.